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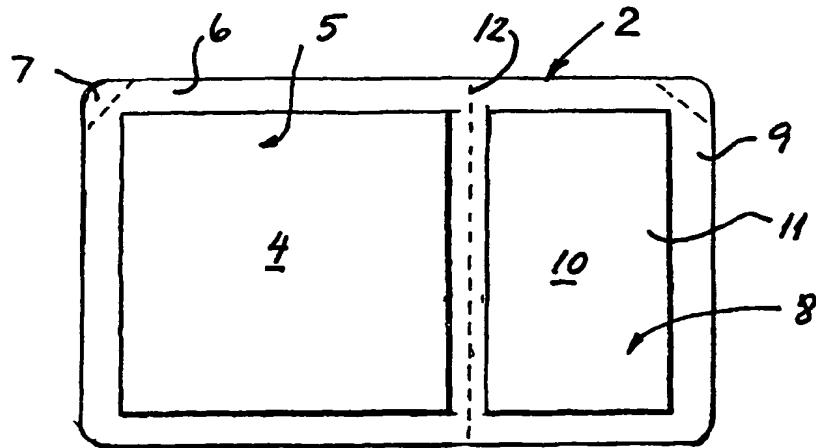
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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: A DEVICE BY WAY OF EXAMPLE FOR PERSONAL HYGIENE



(57) Abstract: There is disclosed a device (2), in particular for personal hygiene and adapted for keeping in wallet, pocket, bag, drawer, glove compartment or similar place, where the device is preferably designed as a credit card in size, where the device (2) has a display surface on one side intended for commercial utilisation, and where the device on the other side has one or more hygienic articles (4) which externally are covered by means of one or more film pieces (6) consisting of preferably easily removable (peelable) plastic or metal film. In a simple way is hereby achieved a new and improved device enabling persons to carry with them one or more of

said devices with the purpose of cleaning hands or other body parts, e.g. armpits, and to apply scenting agent on said body parts. The device according to the invention may be manufactured and distributed very cheaply as the device may be partly financed by commercial advertisements due to the display surface.

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A Device by way of example for personal hygiene

The present invention concerns a device, e.g. for personal hygiene, and of the kind indicated in the preamble of claim 1.

5 Arrangements of that kind are known e.g. as small disposable packings, most often in the form of tear-open bags of plastic or metal film containing a folded wet tissue for cleaning hands and/or face. In connection with car wash in automatic facilities on service stations it is also known that corresponding tear-open bags of plastic or metal film containing prepared tissue for use in cleaning wax from the windshield for the car are handed out. In some cases, a number of cohering tear-up bags are handed out, which are intended to be separated by means of perforations, and which may contain tissues prepared with different cleaning agents and possibly a dry tissue for final wiping of the windshield of the car.

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15 On this background, it is the purpose of the invention to provide a new and improved device of the kind mentioned in the preamble, and which in a simple way makes it possible for persons to carry with one or more devices with the intention of cleaning hands or other body parts, e.g. armpits, and to apply deodorant or scenting agent on said body parts.

20

25 The device according to the invention is characterised in that the device is preferably designed as a credit card in size, that the device has a display surface on one side intended for commercial utilisation, and that the device on the other side has one or more hygienic articles which externally are covered by means of one or more film pieces consisting of preferably easily removable (peelable) plastic or metal film. In a simple way is hereby achieved a new and improved device enabling persons to carry with them one or more of said devices with the purpose of cleaning hands or other body parts, e.g. armpits, and to apply scenting agent on said body parts. The device according to the invention may be manufactured and distributed very cheaply as the device may be partly financed by commercial advertisements due to the display surface.

30

Suitably, the device according to the invention is thus designed that the hygienic articles are constituted by a tissue (wet tissue) prepared with a cleaning liquid, and which e.g. is intended for cleaning the armpit from perspiration, and a carrier or reservoir prepared with or containing a scenting agent, and which e.g. is intended for application in the armpit.

Preferably, the device according to the invention is thus designed so that the cleaning tissue preferably has a size which is considerably greater than the size of the carrier or reservoir.

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With the purpose of facilitating to discern between the individual parts of the device, this may suitably be designed so that the hygienic articles are covered by means of films with mutually different colour or other marking.

15

Suitably, the device is further designed so that the cover films are provided with a corner or tongue section, which is not connected with the device, and which is intended for use in pulling off the cover films.

20

It may be further advantageous that the device is made with a preferably transverse perforation extending between the tissue and the carrier or reservoir, respectively, and which are intended as aid for dividing the device into a part containing a covered tissue and a part containing a covered carrier or a covered reservoir, respectively.

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For example, the device is furthermore so designed that the thickness of the folded tissue corresponds to the thickness of the scent carrier or the reservoir.

30

Alternatively, the device according to the invention may be so designed that the hygienic articles are constituted by dental accessories in the form of a number of toothpicks, some dental floss and/or preferably sheet-shaped chewing gum for tooth-cleaning and maybe a disposable toothbrush with toothpaste.

The device according to the invention may, as a further alternative, be so designed that the card is made of a relatively stiff material, e.g. cardboard or plastic, that the card

e.g. in a corner area is made with a mainly acutely angled slit or cut adapted for use in releasing a tick or similar insect, which has bitten on to and bored its snout down into the skin of a person or an animal, and that the card on the opposite side preferably has two film covered fields, namely a field in which is laid a disinfecting tissue and a field in which is laid a plaster.

The invention is explained in the following in more detail in connection with the drawing, on which:

10 Fig. 1 shows an embodiment of a device according to the invention,

Fig. 2 shows further embodiment of a device according to the invention.

15 Fig. 3 shows an alternative embodiment of a device according to the invention,

Fig. 4 shows the front side of still an embodiment of a device according to the invention in the shape of a "BorreliaCard" for use in releasing a tick,

20 Fig. 5 shows the back side of the "BorreliaCard" shown in Fig. 4, and

Fig. 6 shows a preferred embodiment of a "BorreliaCard" according to the invention.

The device 2 shown in Fig. 1 is sized as credit card, i.e. with a length of about 85 mm, 25 width of about 54 mm and thickness of about 2 mm. On a side facing downward in the plane of the paper in Fig. 1, the device 2 has a display surface intended as advertising space that may contribute to financing the device so that it can be made cheap and attractive. On the upwardly facing side, the device is provided with hygienic articles in the shape of a preferably folded cleaning tissue 4 contained in the first, left field 5, 30 which is externally covered by means of a film piece 6 connected with the device 2 along the circumference of the field 5. The cover film 6 is preferably easily removable (peelable). The cleaning tissue 4 is prepared with a cleaning agent and possibly an antiperspirant. A corner 7 of the cover film 6 is not connected with the device 2 so that

it is easy to get hold on the film 6 for tearing this off so that access to the cleaning tissue is created.

5 A lesser, right field 8, also covered by means of a peelable cover film 9, contains a carrier, e.g. a pad 10, for a scenting agent, or is designed as a reservoir 11 containing a scenting agent.

10 The cover films 6 and 9 are mutually separated by means of a transverse perforation 12 which also makes it possible to break the device 2 into two parts, namely a part containing the cleaning tissue 4 and a part containing the said carrier, the pad 10, or the reservoir 11.

15 A modified embodiment of a device 14 according to the invention is shown in Fig. 2, where the largest, left field 15 contains a larger cleaning tissue (wet tissue) or possibly a moistened cleaning pad prepared with a cleaning agent, e.g. chlorhexidine, and possibly an antiperspirant. A lesser, right field 16 is shaped round. This field 16, which has a cover film with a tearing tongue 17, contains a scenting agent, as the field 16 either may be formed as a small reservoir or may contain a carrier for the scenting agent.

20 An alternative device 18 according to the invention including shaving accessories is shown in Fig. 3, where the device 18 at the top has a shaft part 20, which is adapted to be broken off along a perforation 21, and which then may be joined with a transverse, also breakable knife part 22, which is broken along a transverse perforation 23 including a notch 24 in which an end part 24 of the shaft part 20, which in advance has been adapted by breaking off an extreme end part 25, may be fastened. The device 18 also includes two fields 26 and 27 of which one field 26 contains shaving cream or gel, whereas the other field contains a carrier or a reservoir of after-shave lotion. Both fields 26 and 27 are covered by means of cover films 28 and 29, respectively, with a tongue part 30 for facilitating pulling off the cover films.

As mentioned, the device according to the invention preferably has a size corresponding to a credit card, i.e. designed with rounded corners with a length of about 85 mm, a width of about 54 mm and a total thickness less than 4 mm, preferably less than 2 mm.

5 For example, the device according to the invention may be thus designed that the folded cleaning tissue has a length/width of about 44 x 44 mm, and that the carrier or reservoir has a length/width of about 24 x 44 mm. Alternatively, the folded cleaning tissue may have a length/width of about 56 x 44 mm, whereas the carrier or reservoir may correspondingly may have a length/width of about 12 x 44 mm.

10 Another alternative would be that carrier or reservoir prepared with or containing scenting agent is made round, e.g. with a diameter of 12 mm, or elliptic, e.g. with a small circle diameter of about 12 mm and a large circle diameter of about 20 mm.

15 The "BorreliaKort" 32 shown in Figs. 4 and 5 is designed in a corner area 34 with an acutely angled slit or cut-out 36 adapted for use in removing a tick or similar insect that has bitten onto and bored down into the skin of a person or an animal, e.g. a dog.

The card 32 is e.g. printed with the following instructions on the front side:

20 STOP the TICK!

- Place the slit of the Borrelia card under the tick's abdomen as close to the skin as possible
- Push the card forward so that the tick is lifted out calmly and firmly
- Treat subsequently with chlorhexidine and possibly plaster

25 The disclosed slit or cut-out 36, which may end up in a circular hole, may alternatively, or as a supplement, also be provided at a short side of the card. The "BorreliaCard" will hereby act as a pre-stressed spring which by itself, after placing under and around the tick, will provide a certain pulling or elevation action on the tick so 30 that it, including mouth parts, will be pulled or lifted off the skin. Cf. another alternative embodiment, the "BorreliaCard" may be designed with a hole with the shape as a keyhole or other suitable profile which makes it possible to move the card down over the tick and to wedge it in a narrowing of the hole.

At the back side of the card 32 (Fig. 5) there are two film covered fields, namely a field 38 in which is laid a disinfecting cleaning tissue 40 moistened with chlorhexidine, and a field 42 in which laid a piece of plaster 44.

5

A preferred embodiment of a "BorreliaCard" is shown in Fig. 6, where a corner area is designed with a flexible finger 4 which is designed with a slit or narrowing 50 at an outer end 48 for use in removing a tick or corresponding blood sucking insect. The flexible finger 46 contributes to optimising the function of the "BorreliaCard" so that one gets hold of the tick with certainty. Besides, the "BorreliaCard", cf. Fig. 6, is designed in another corner 52 with a supplementing lesser slit or narrowing 54.

10

The preferred embodiment of a "BorreliaCard" shown in Fig. 6 is made of relatively thin plastic material which is preferably without printed instructions, as the "BorreliaCard" in this form is intended to be laid into a folded, card-like brochure or guidance for use which is finally sealed in a transparent plastic packing, which furthermore may contain a number of individually packed cleaning tissues and/or a number of individually packed plasters.

15

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Cf. a further alternative, the said hygienic article of the device may be constituted by shaving accessories in the shape of a disposable razor, possibly made up of several parts, and shaving cream or gel in the said reservoir and possibly after-shave lotion contained in said carrier or in a further reservoir.

25

Cf. a still further alternative, the device according to the invention may include coffee or tea accessories in the shape of a reservoir containing a sweetener, and a reservoir containing cream or powdered cream and possibly a teaspoon or stirrer.

30

Cf. a still further alternative, the device according to the invention may include restaurant accessories in the form of a number of reservoirs, e.g. containing salt, pepper, toothpicks and possibly a piece of plate-shaped chewing gum for tooth cleaning.

Cf. a still further alternative, the device according to the invention may contain sewing accessories in the form of a number of reservoirs e.g. containing sewing threads, sewing needles, buttons, safety pins etc.

5 Cf. a still further alternative, the device according to the invention may contain smoking accessories in the form of a number of reservoirs that e.g. contain a number of matches and a pipe cleaner.

10 Cf. a still further alternative, the device according to the invention may include a reservoir containing at least one contraceptive. A further possibility would be that the device also contains medicine, particularly in the form of pills or tablets, e.g. headache pills or chewing tablets against sour stomach etc.

15 The device according to the invention may, as a further alternative, be designed so that said hygienic article are constituted by anti-smoking articles in the form of a number of nicotine plasters and/or preferably sheet-like nicotine chewing gum.

Finally, it is to be mentioned that the device in principle may contain quite different objects or article, such as screws, nails or sweets (confectionery).

CLAIMS

1. A device, e.g. for personal hygiene and adapted for keeping in wallet, pocket, bag, drawer, glove compartment, or similar place, **characterised** in that the device is preferably designed as a credit card in size, that the device has a display surface on one side intended for commercial utilisation, and that the device on the other side has one or more hygienic articles which externally are covered by means of one or more film pieces consisting of preferably easily removable (peelable) plastic or metal film.
- 10 2. A device according to claim 1, **characterised** in that the hygienic articles are constituted by a tissue (wet tissue) prepared with a cleaning liquid, and which e.g. is intended for cleaning the armpit from perspiration, and a carrier or reservoir prepared with or containing a scenting agent, and which e.g. is intended for application in the armpit.
- 15 3. A device according to claim 2, **characterised** in that the tissue is prepared with a cleaning liquid and an antiperspirant.
4. A device according to claim 2, **characterised** in that the tissue preferably has a size 20 which is considerably greater than the size of the carrier or reservoir.
5. A device according to claim 1, **characterised** in that the hygienic articles are covered by means of films with mutually different colour or other marking.
- 25 6. A device according to claim 1, **characterised** in that the cover films are provided with a corner or tongue section, which is not connected with the device, and which is intended for use in pulling off the cover films.
- 30 7. A device according to claim 2, **characterised** in that it is made with a preferably transverse perforation extending between the tissue and the carrier or reservoir, respectively, and which are intended as aid for dividing the device into a part containing a

covered tissue and a part containing a covered carrier or a covered reservoir, respectively.

8. A device according to claim 2, **characterised** in that the thickness of the folded
5 tissue corresponds to the thickness of the carrier or the reservoir.

9. A device according to claim 1, **characterised** in that the hygienic articles are constituted by dental accessories in the form of a number of toothpicks, some dental floss and/or preferably sheet-shaped chewing gum for tooth-cleaning and possibly a disposable toothbrush with toothpaste.
10

10. A device according to claim 1, **characterised** in that the card (32) is made of a relatively stiff material, e.g. cardboard or plastic, that the card e.g. in a corner area is made with a mainly acute angled slit or cut (36) adapted for use in releasing a tick or a similar insect, which has bitten on to and bored its snout down into the skin of a person or an animal, and that the card on the opposite side preferably has two film covered fields, namely a field (38) in which is laid a disinfecting tissue (40) and a field (42) in which is laid a plaster (44).
15

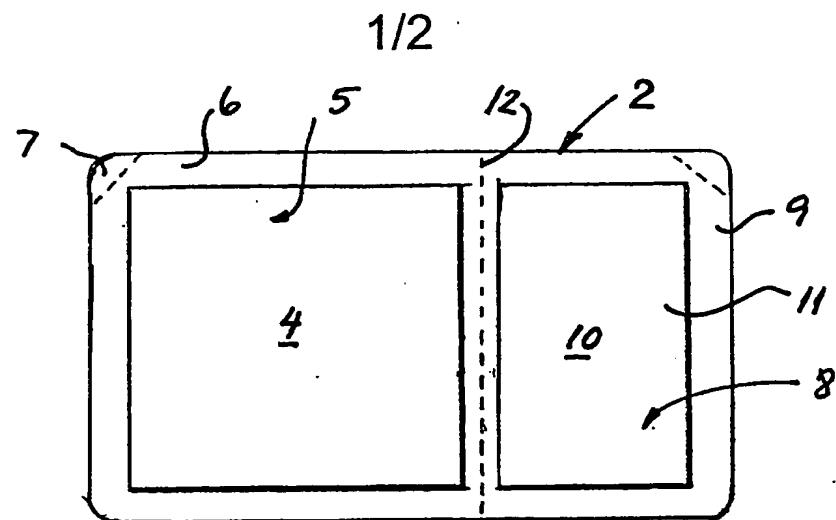


Fig. 1

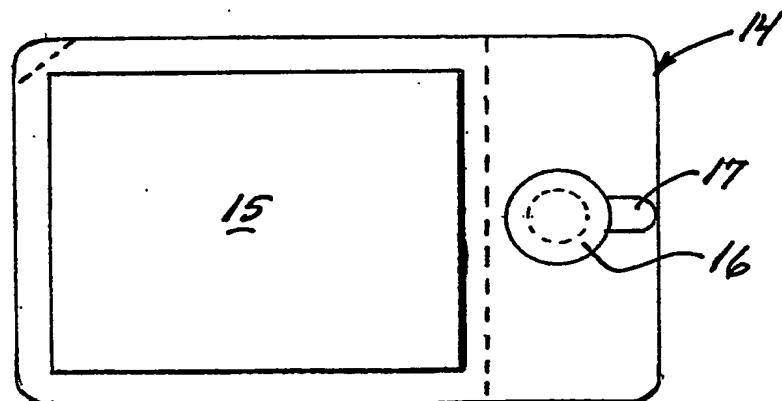


Fig. 2

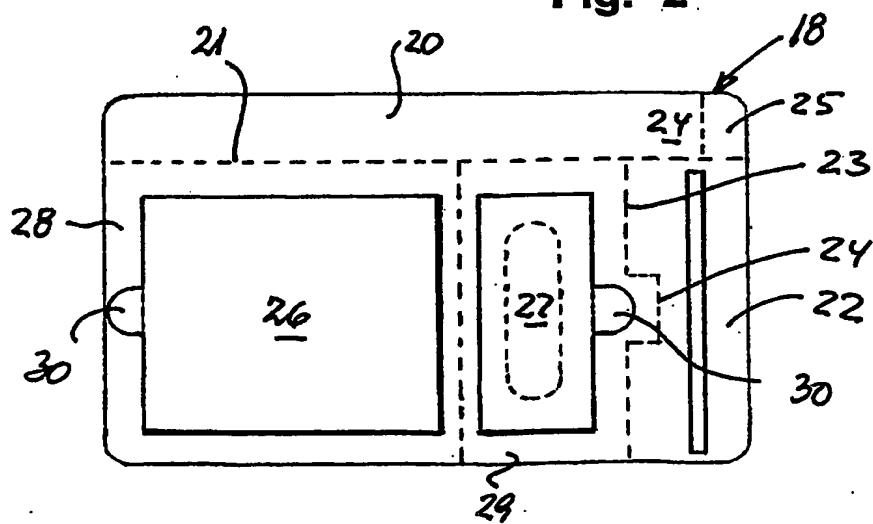


Fig. 3

2/2

Fig.4

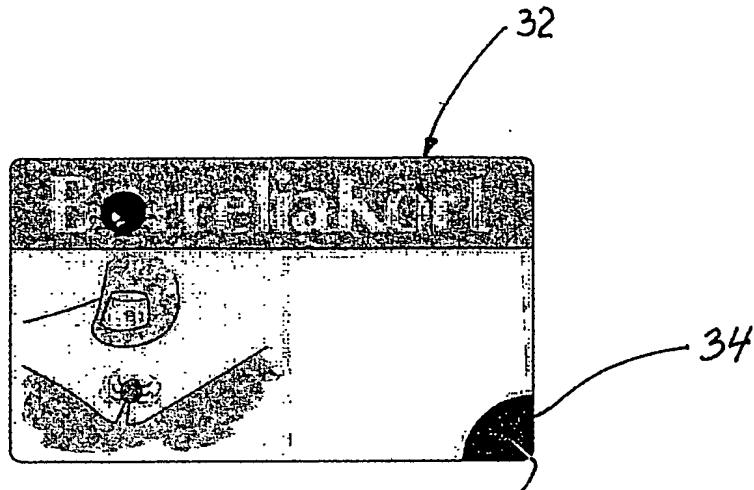


Fig.5

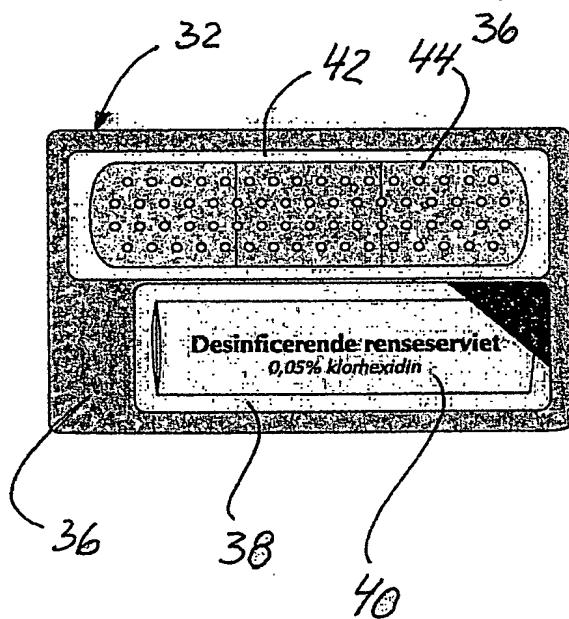
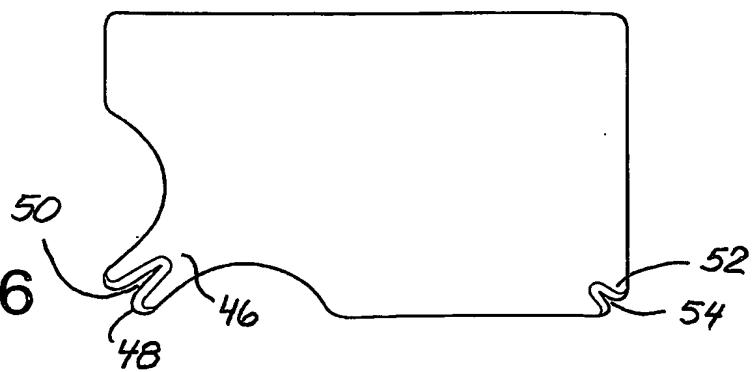


Fig.6



INTERNATIONAL SEARCH REPORT

International application No.
PCT/DK 02/00598

A. CLASSIFICATION OF SUBJECT MATTER

IPC7: A45C 11/00, A01M 3/00, A45D 40/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: A01M, A45C, A45D, A47G, A61B, B65D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

WPI DATA

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	DE 2717128 A1 (HANNOVERSCHE GUMMIER-ANSTALT AUGUST WEGENER), 2 November 1978 (02.11.78), the whole document --	1-10
A	US 3534887 A (L. GINSBERG), 20 October 1970 (20.10.70), column 2, line 18 - line 62, figures 1, 3 --	1-10
A	US 4220244 A (S. ELMORE), 2 Sept 1980 (02.09.80), figure 5, abstract --	1-10
A	US 4301923 A (L.T.J. VUORENTO), 24 November 1981 (24.11.81), figures 1,5, abstract --	1-10

 Further documents are listed in the continuation of Box C. See patent family annex.

* Special categories of cited documents:	
"A"	document defining the general state of the art which is not considered to be of particular relevance
"E"	earlier application or patent but published on or after the international filing date
"L"	document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
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"Y"	document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"&"	document member of the same patent family

Date of the actual completion of the international search	Date of mailing of the international search report
21 November 2002	03-12-2002
Name and mailing address of the ISA/ Swedish Patent Office Box 5055, S-102 42 STOCKHOLM Facsimile No. + 46 8 666 02 86	Authorized officer Vilho Juvonen / MRO Telephone No. + 46 8 782 25 00

INTERNATIONAL SEARCH REPORT

International application No.
PCT/DK 02/00598

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4900663 A (S.I. WIE ET AL), 13 February 1990 (13.02.90), column 3, line 41 - line 45, figures 1, 2 --	1-10
A	US 4946033 A (B.E. CONNER), 7 August 1990 (07.08.90), figure 8, abstract -----	1-10

INTERNATIONAL SEARCH REPORT

Information on patent family members

28/10/02

International application No.

PCT/DK 02/00598

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
DE 2717128 A1	02/11/78	NONE	
US 3534887 A	20/10/70	NONE	
US 4220244 A	02/09/80	NONE	
US 4301923 A	24/11/81	AT 1314 T AU 535420 B AU 5038879 A BR 7905505 A BR 7905561 A CA 1103216 A DE 2963299 D DK 359379 A EP 0008545 A,B SE 0008545 T3 FI 782631 A NO 792784 A FI 58468 B,C JP 56113557 A	15/07/82 22/03/84 06/03/80 13/05/80 13/05/80 16/06/81 00/00/00 29/02/80 05/03/80 29/02/80 29/02/80 31/10/80 07/09/81
US 4900663 A	13/02/90	AU 594942 B AU 5443286 A BE 904395 A CA 1258626 A CH 671467 A DE 3606124 A,C FR 2587488 A,B GB 2180645 A,B GB 8602022 D IT 1190204 B IT 8647696 D JP 2060437 C JP 7099371 B JP 62071832 A NL 8600305 A SE 468146 B,C SE 8600454 A US 5240844 A	22/03/90 19/03/87 30/06/86 22/08/89 31/08/89 19/03/87 20/03/87 01/04/87 00/00/00 16/02/88 00/00/00 10/06/96 25/10/95 02/04/87 01/04/87 09/11/92 14/03/87 31/08/93
US 4946033 A	07/08/90	NONE	